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Ohio Administrative Code

Rule 901:10-2-05 Fabricated structures.

Effective: November 1, 2026

(A) Fabricated structures shall be designed and maintained to prevent discharge to ground waters or surface waters.

(1) Fabricated structures for liquid manure and fabricated structures that store solid manure with a wall height of eight feet or greater (measured from the top of the footing), shall be designed by a professional engineer, which shall include a signed and sealed set of design plans.

(2) A fabricated structure shall be designed and constructed to meet the requirements in paragraph (A) of rule 901:10-2-03 and any applicable section of the appendix to this rule.

(3) Storage period for fabricated structures.

(a) Liquid manure storage systems shall have a combined minimum storage period of one hundred eighty days.

(b) Solid manure storage systems shall have a combined minimum storage period of one hundred twenty days.

(c) Additional storage may be required by the director in order to ensure protection of groundwater, surface water, or the structural integrity of the fabricated structure.

(4) Freeboard.

(a) A fabricated structure shall be designed and maintained to have an operating level that does not exceed the level that provides adequate storage to contain a twenty-five year, twenty-four hour precipitation event plus an additional six inches of freeboard.

(b) Fabricated structures that contain solid manure and are not subject to precipitation or runoff do not require an additional six inches of freeboard.

(5) Fabricated structures for liquid manure shall:

(a) Have a liquid level board, staff gauge, depth marker, or other appropriate device approved by the director, installed within the interior or readily available to measure and monitor manure levels. The approved device shall indicate levels every one foot in vertical elevation, as well as indicate the levels as described in paragraph (D)(15) of rule 901:10-2-08 of the Administrative Code.

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(b) Have a minimum of three feet of in situ soils with a hydraulic conductivity of one times ten to the minus seven centimeters per second (1x10-7 cm/s) or less below the lowest elevation of manure placement unless additional design criteria or groundwater monitoring, or both, are added, installed and implemented as approved by the director.